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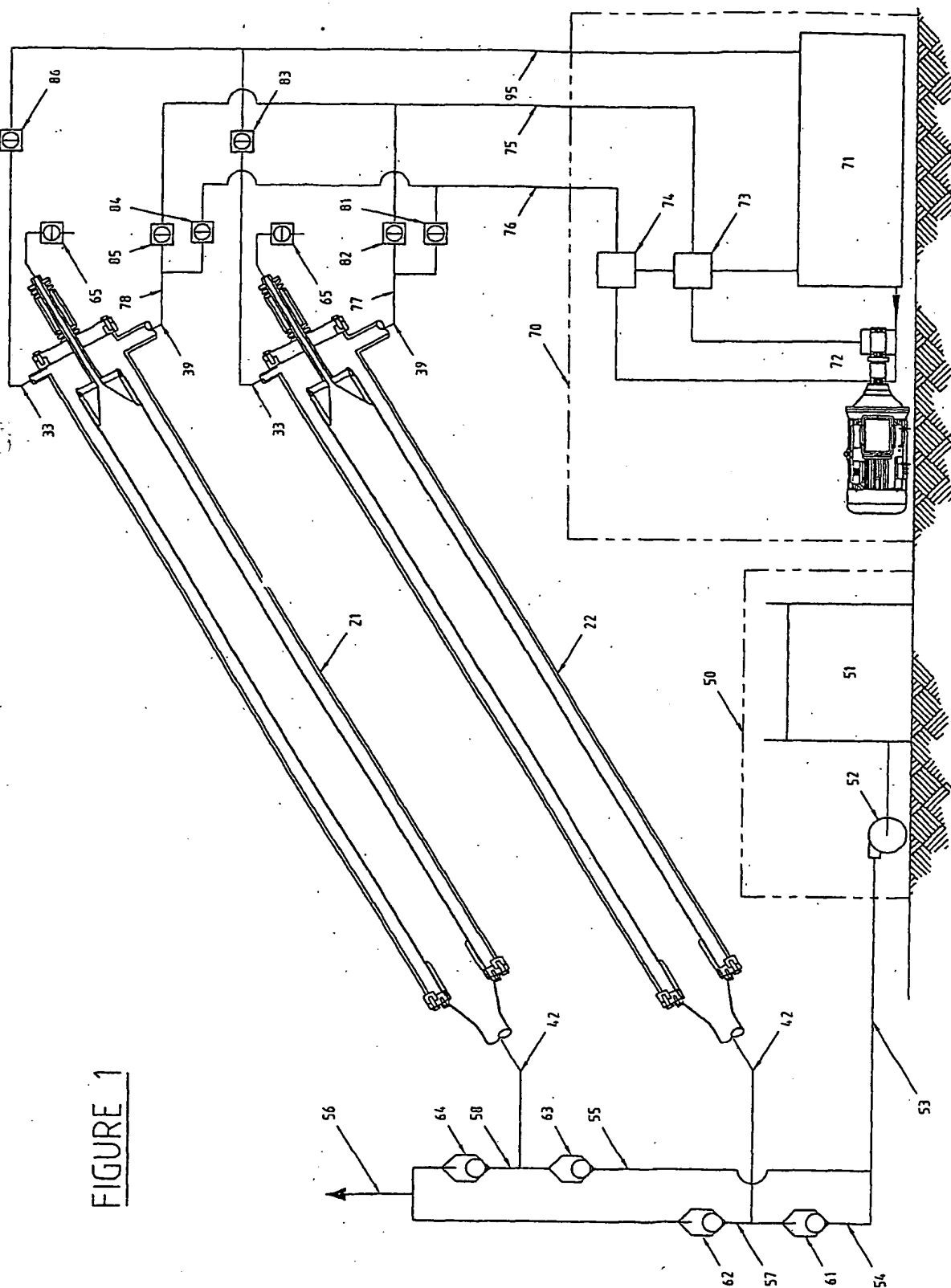


FIGURE 1

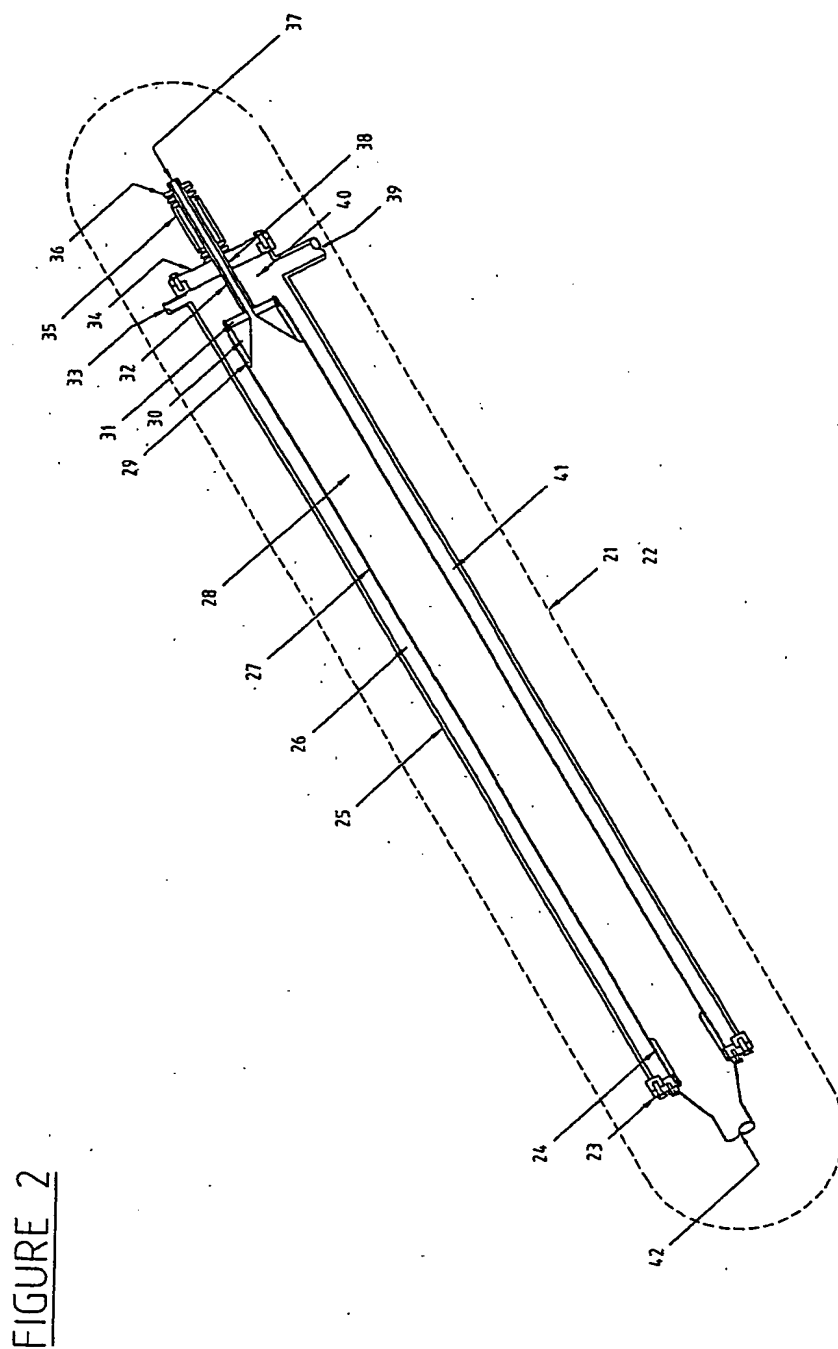


FIGURE 2

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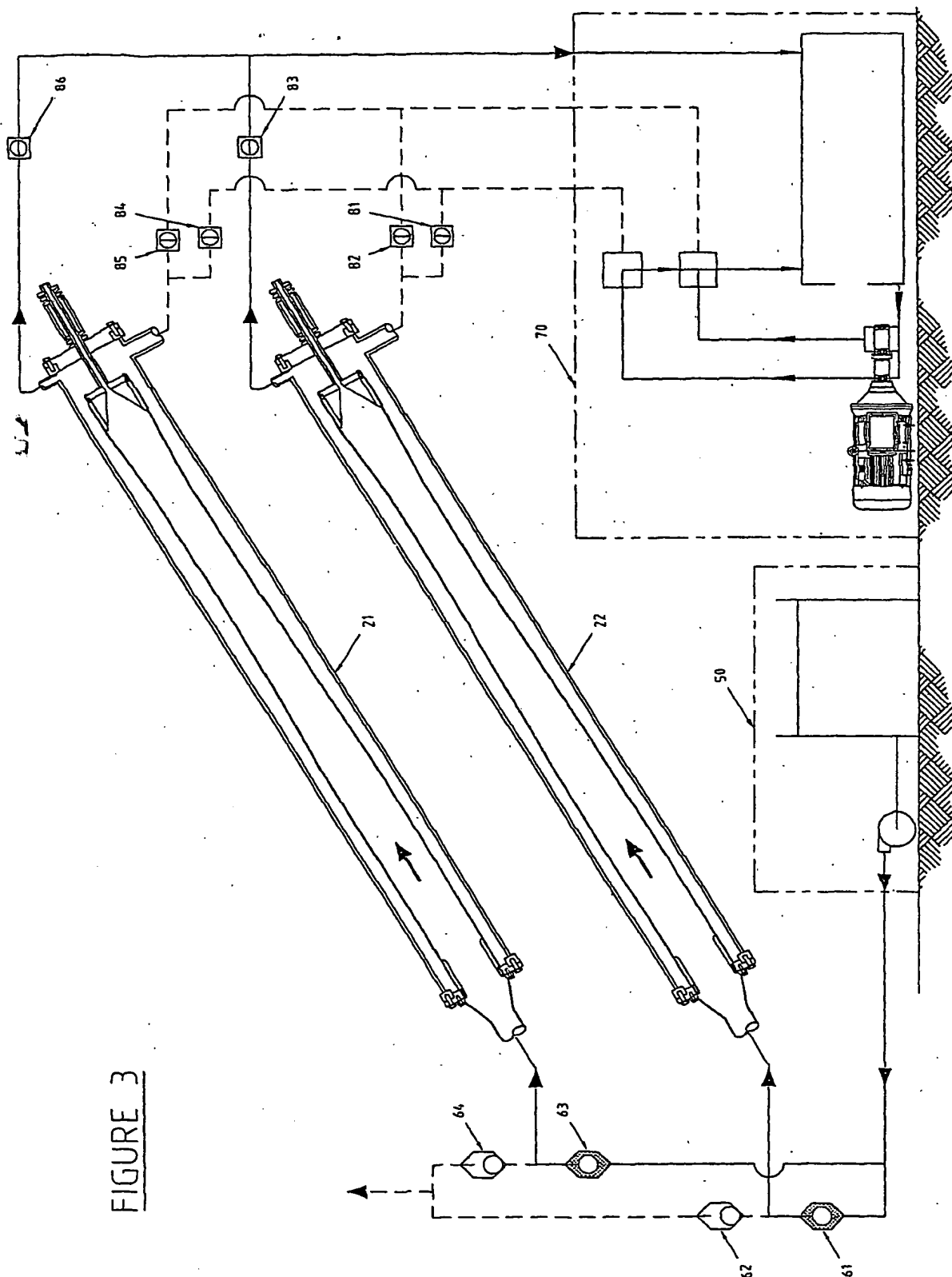


FIGURE 3

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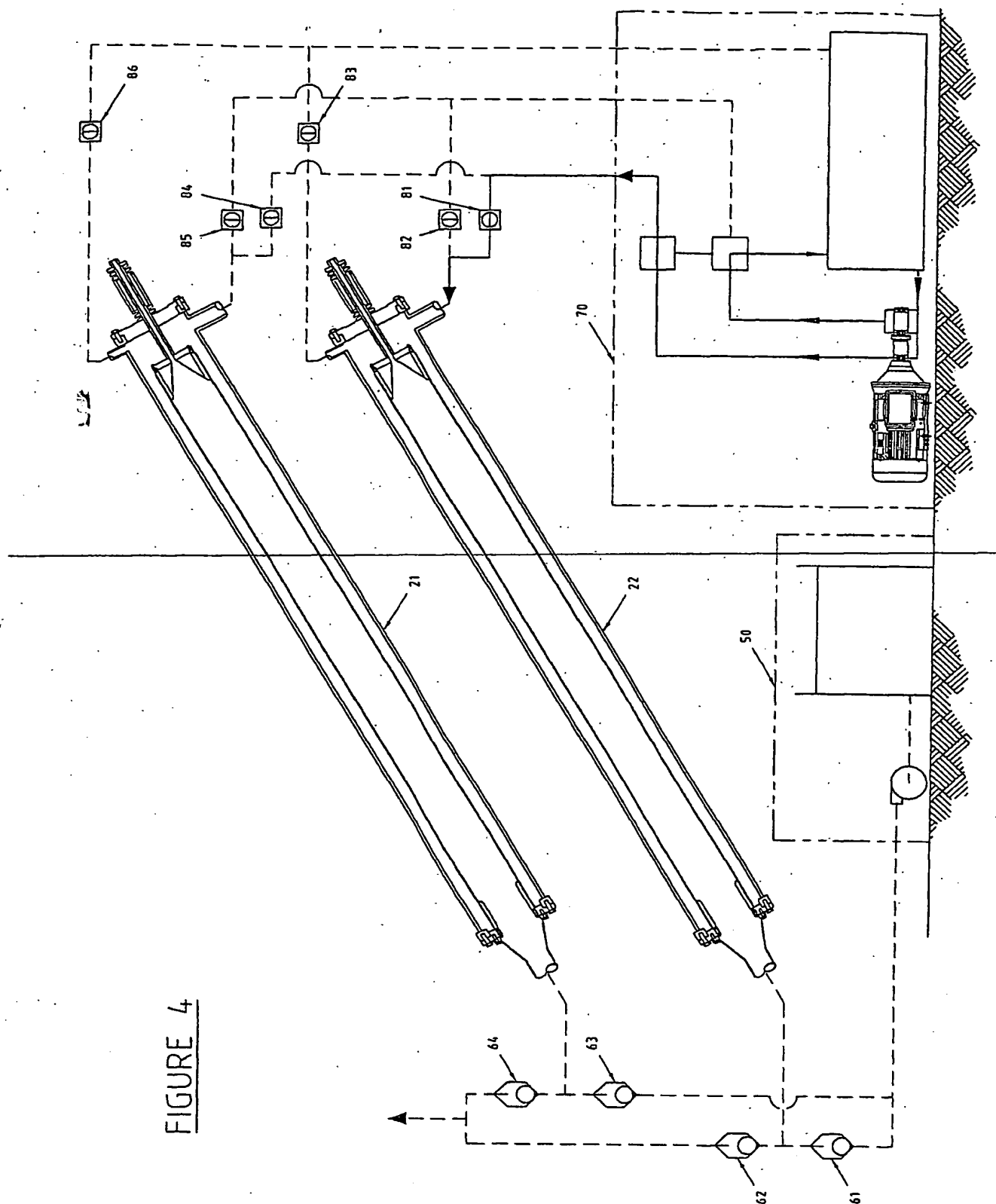


FIGURE 4

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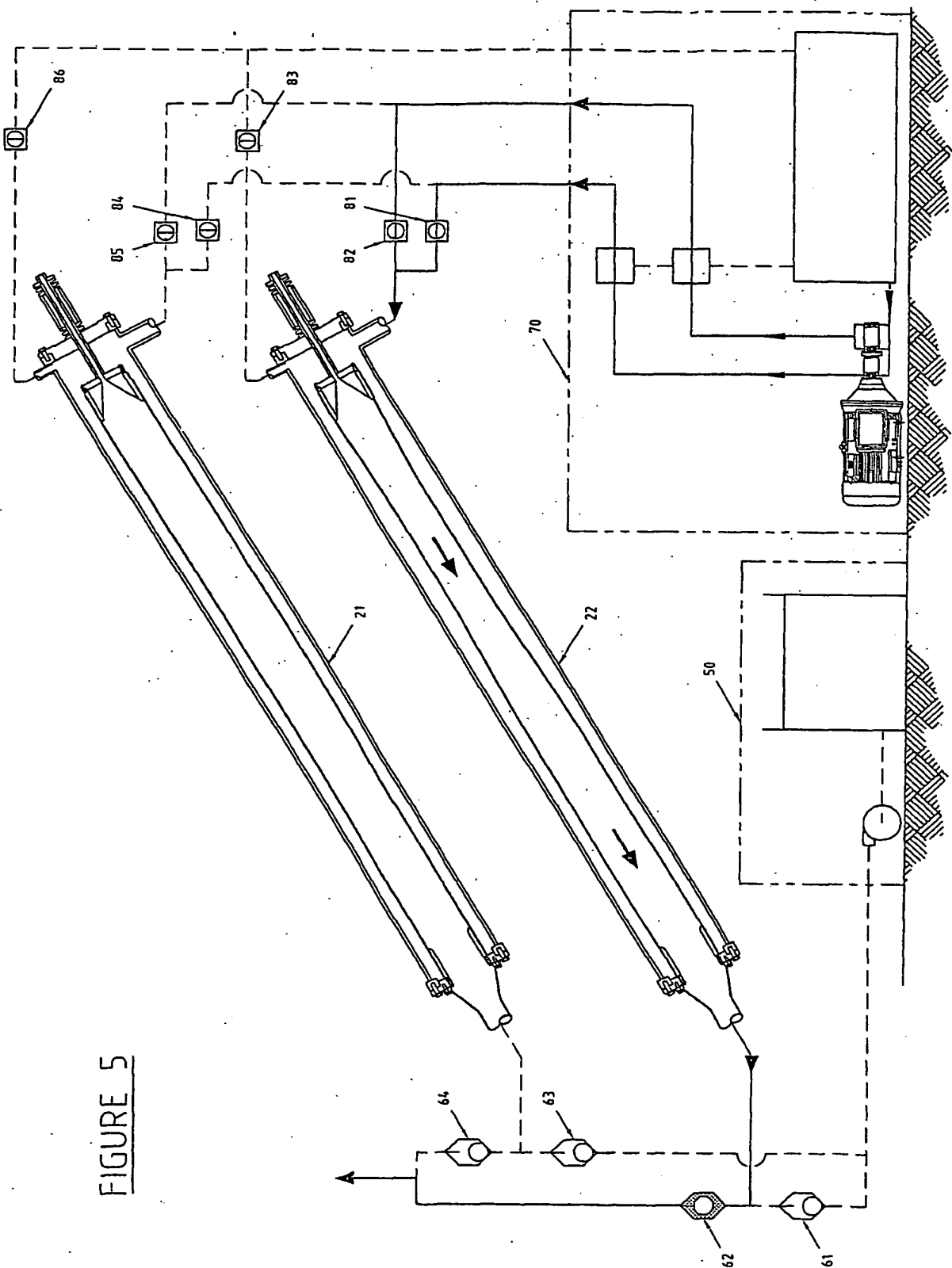


FIGURE 5

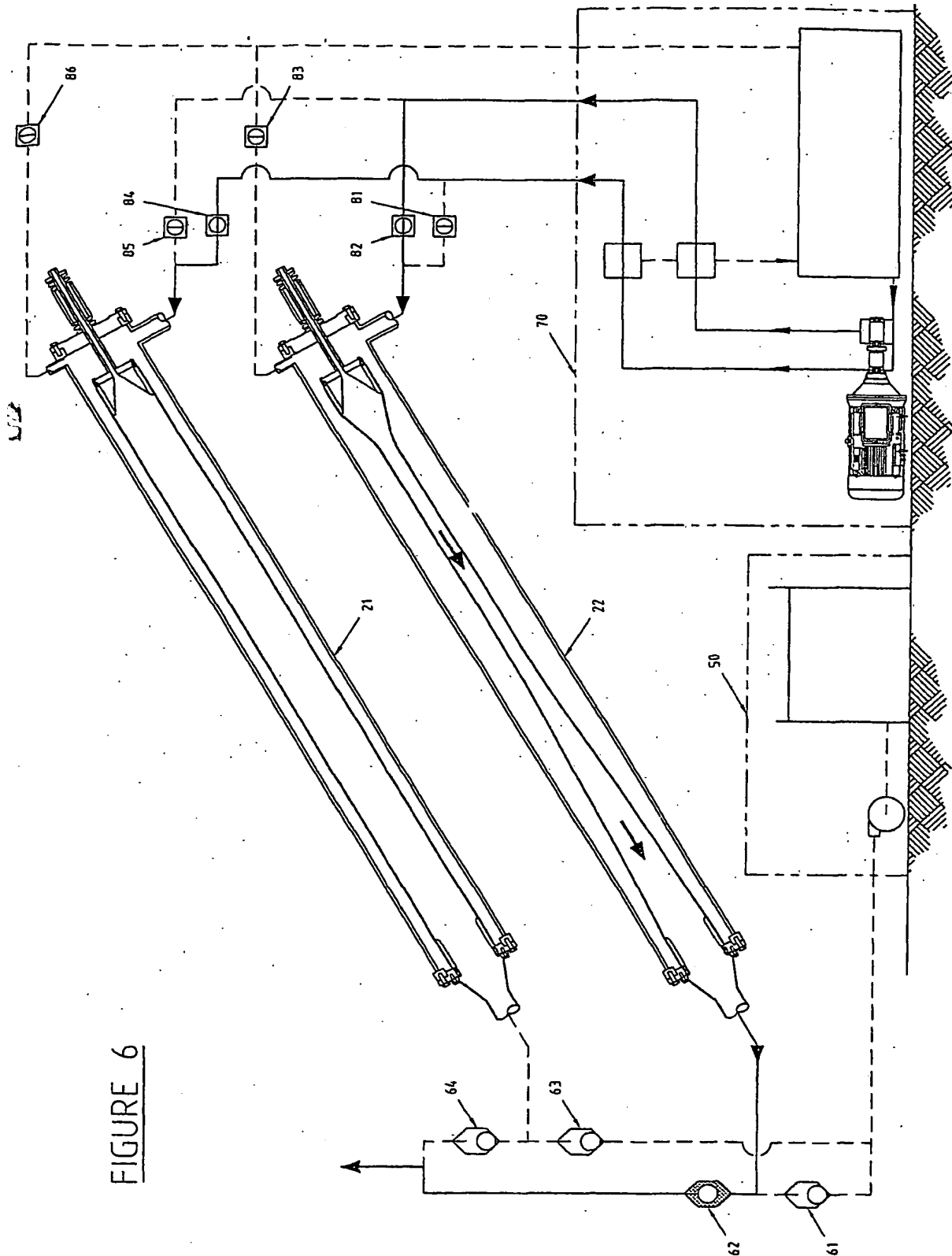


FIGURE 6

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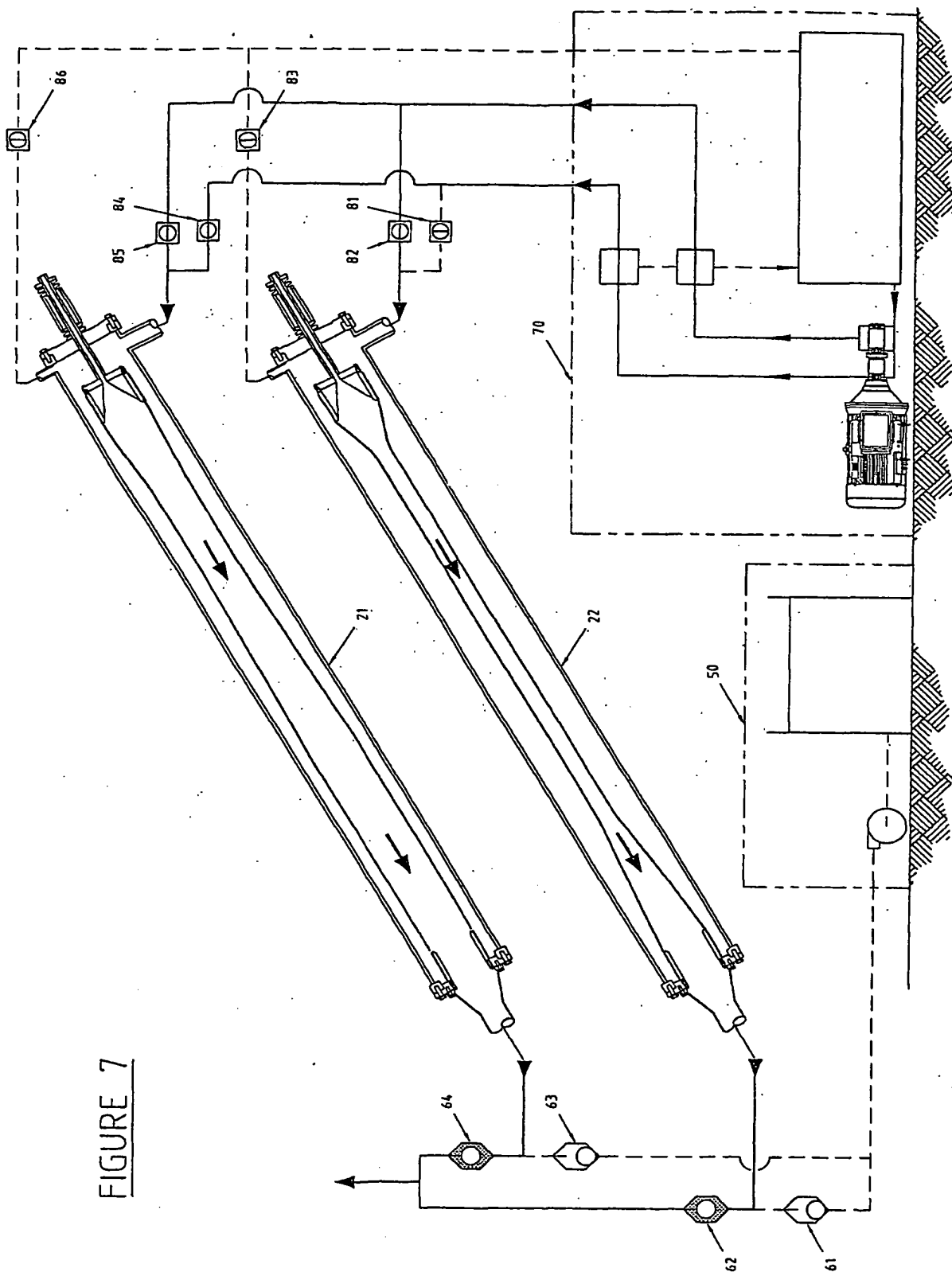


FIGURE 7

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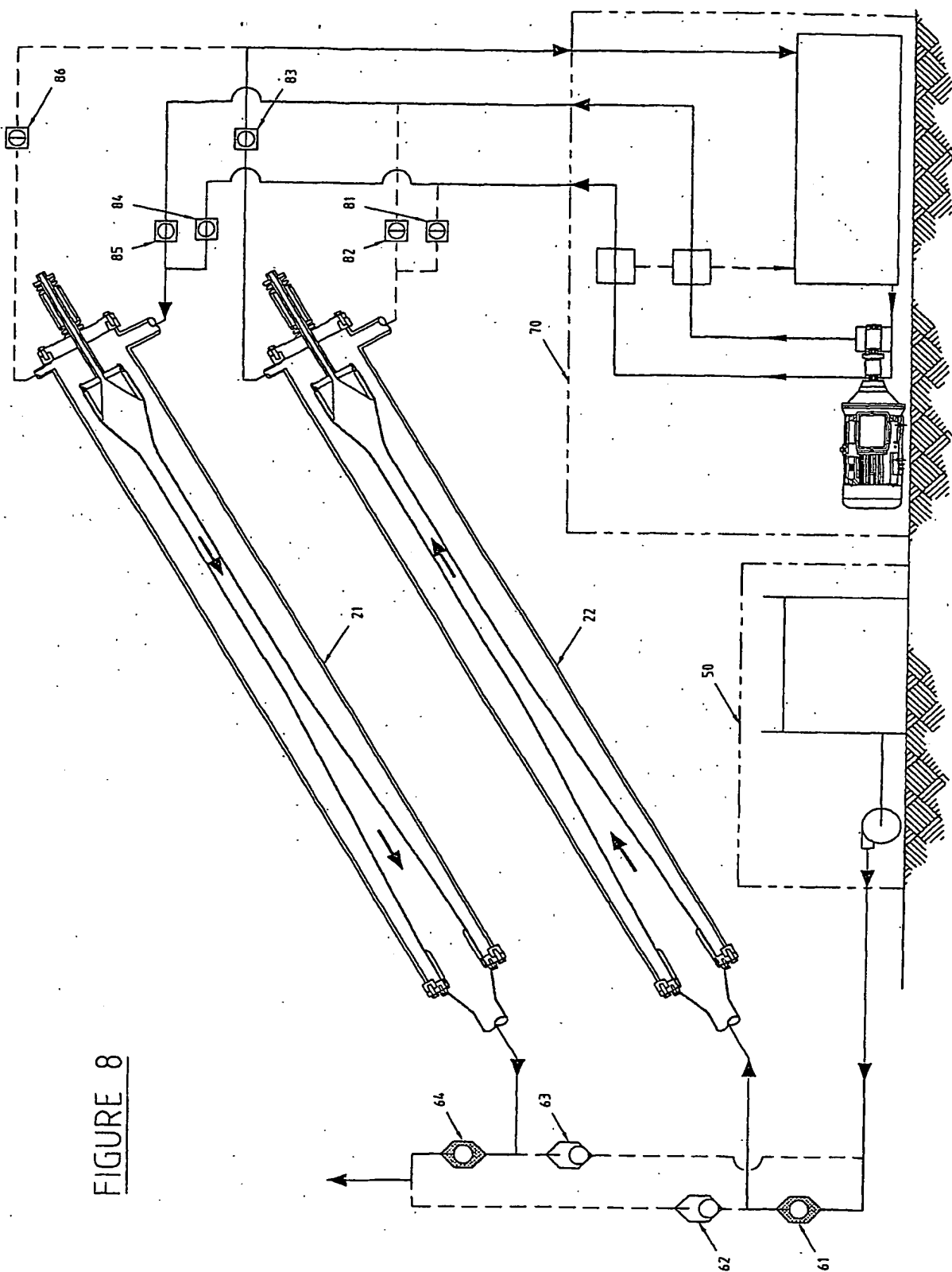


FIGURE 8

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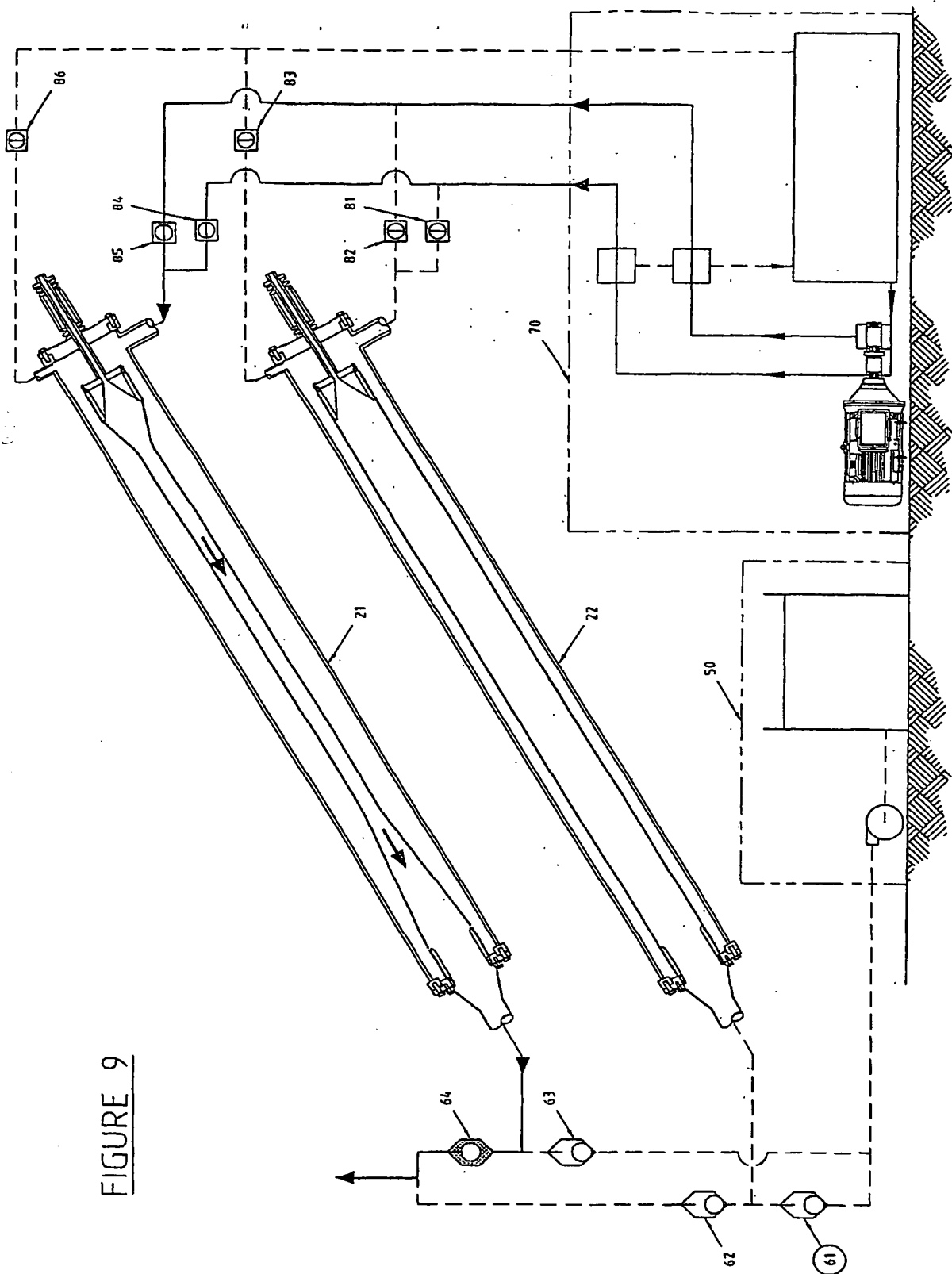


FIGURE 9

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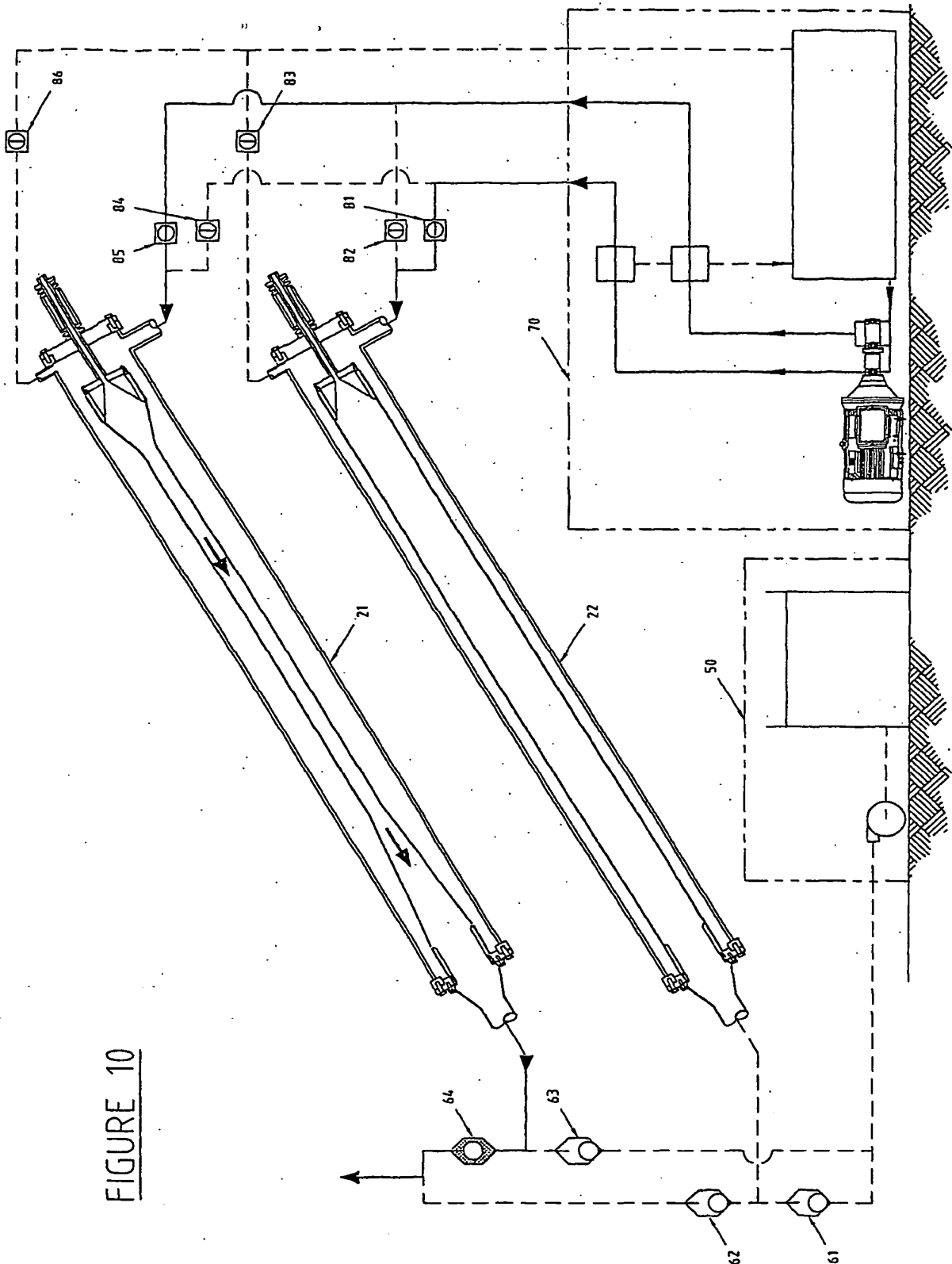


FIGURE 10

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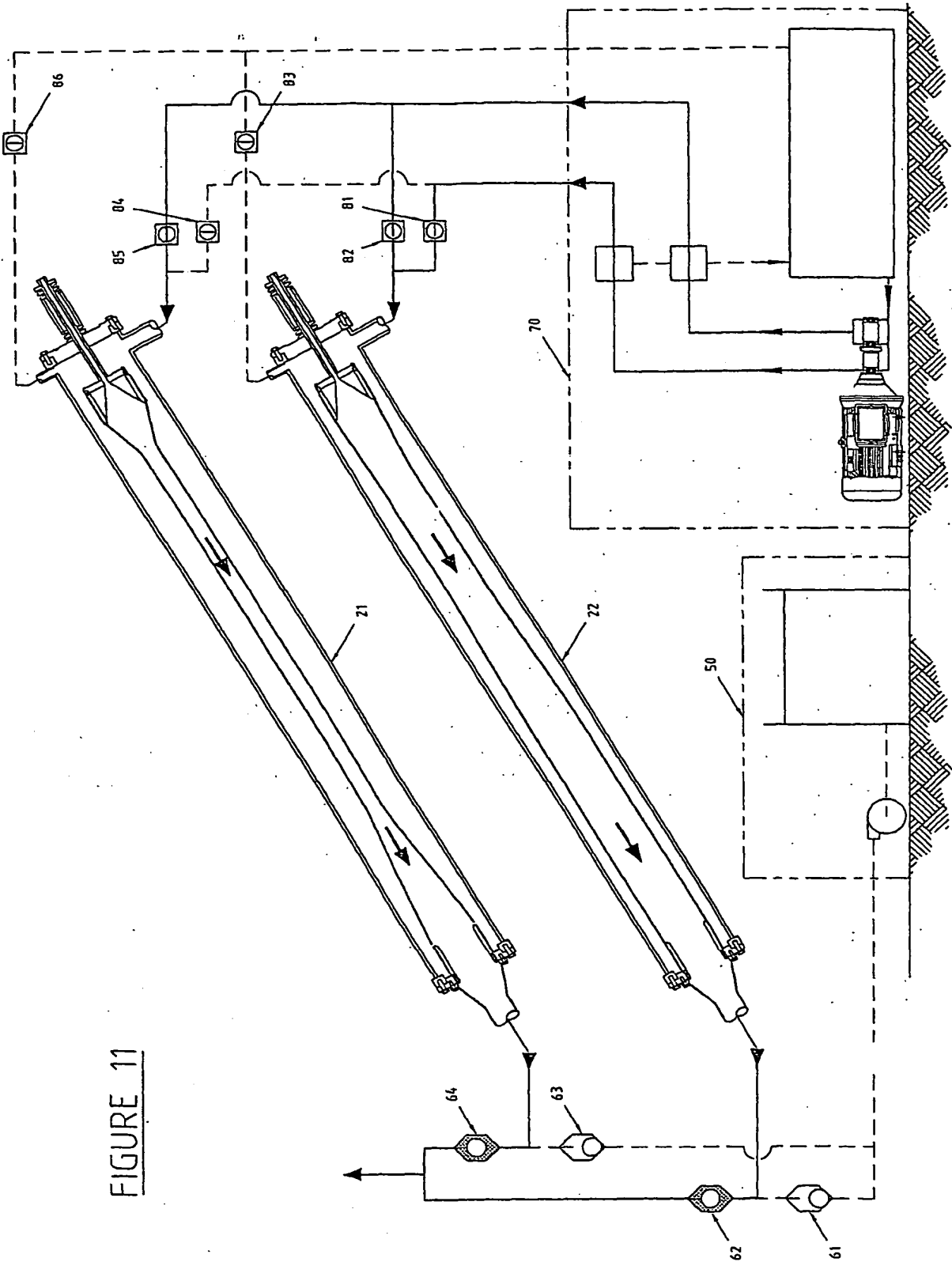


FIGURE 11

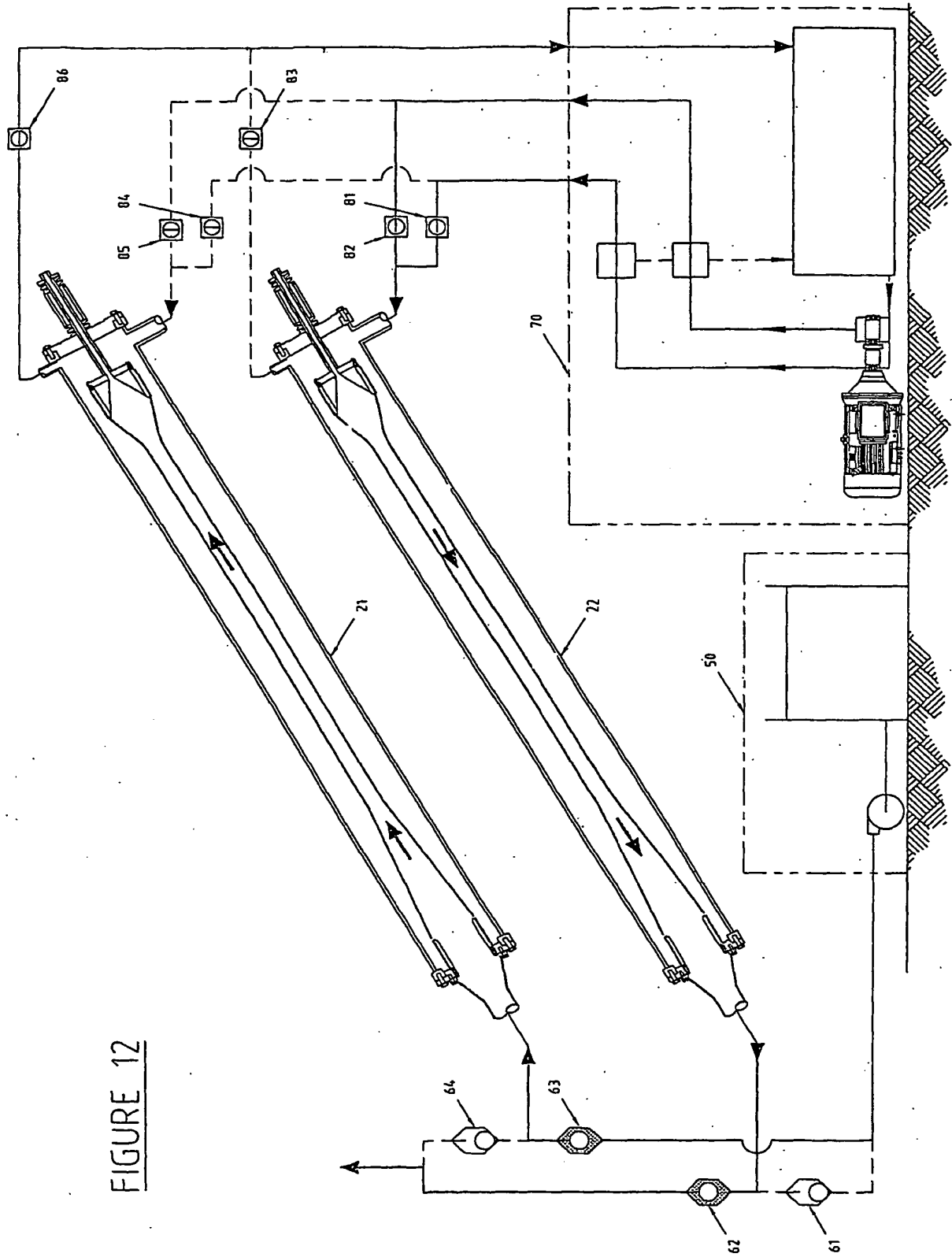


FIGURE 12

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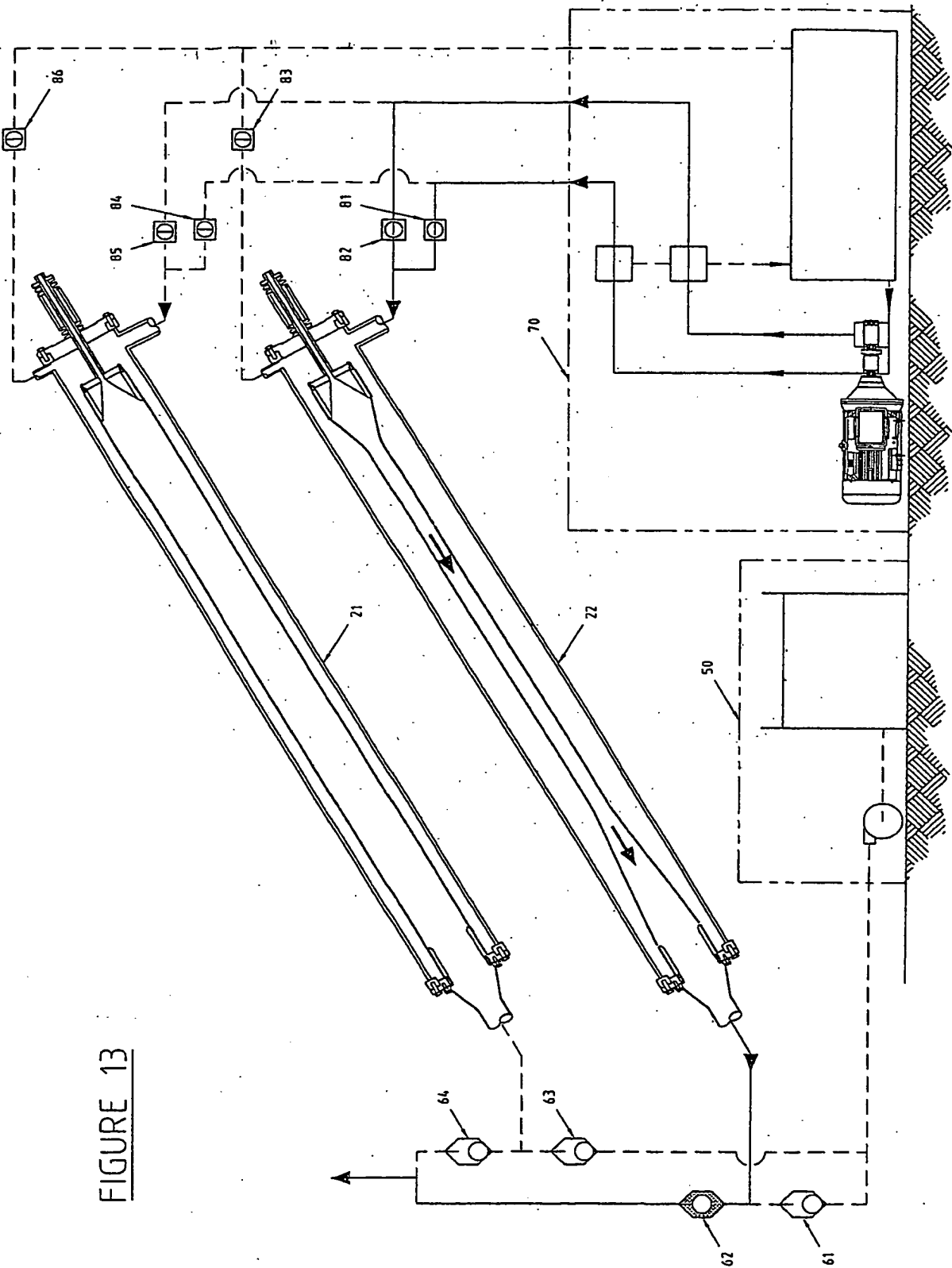


FIGURE 13

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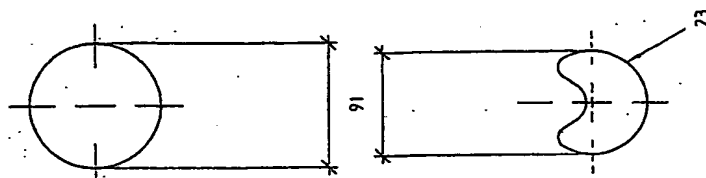


FIGURE 15

FIGURE 17

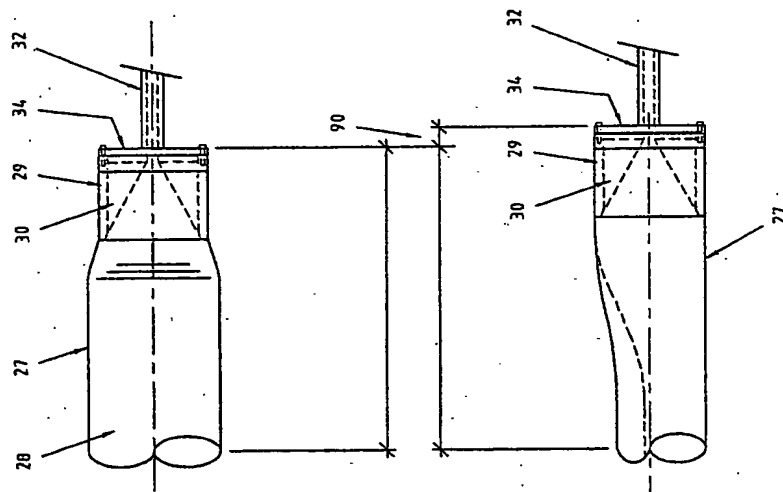


FIGURE 14

FIGURE 16

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FIGURE 18

CHAMBER 21					CHAMBER 22			
Reference	Valve 84	Valve 85	Valve 86	Description	Valve 84	Valve 85	Valve 86	Description
Figure 3	Closed	Closed	OPEN	Tube 27 fills, fluid in the Chambers 40, 41 returns to tank until the Tube is FULL	Closed	Closed	OPEN	Tube 27 fills, fluid in the Chambers 40, 41 returns to tank until the Tube is FULL
Control system instrumentation must confirm the Tube 27 FULL status before proceeding to the next step								
Figure 4	Closed	Closed	Closed	Tube 27 remains FULL	OPEN	Closed	Closed	Chamber 40, 41 is pressurised to the system operating pressure
Figure 5	Closed	Closed	Closed	Tube 27 remains FULL	OPEN	OPEN	Closed	Pump stroke commences
Figure 6	OPEN	Closed	Closed	Chamber 40, 41 is pressurised to the system operating pressure	Closed	OPEN	Closed	Pump stroke continues
Figure 7	OPEN	OPEN	Closed	Pump stroke commences	Closed	OPEN	Closed	Pump stroke finishing
Figure 8	OPEN	OPEN	Closed	Pump stroke continues	Closed	Closed	OPEN	Tube 27 starts filling and fluid in Chambers 40, 41 returns to tank
Figure 9	OPEN	OPEN	Closed	Pump stroke continues	Closed	Closed	Closed	Tube 27 is FULL, control system instrumentation must confirm FULL Tube status before proceeding to the next step
Figure 10	Closed	OPEN	Closed	Pump stroke continues	OPEN	Closed	Closed	Chambers 40, 41 is pressurised to the system operating pressure
Figure 11	Closed	OPEN	Closed	Pump stroke finishing	OPEN	OPEN	Closed	Pump stroke commences
Figure 12	Closed	Closed	OPEN	Tube 27 starts filling and fluid in Chambers 40, 41 returns to tank	OPEN	OPEN	Closed	Pump stroke continues
Figure 13	Closed	Closed	Closed	Tube 27 is FULL, control system instrumentation must confirm FULL Tube status before proceeding to the next step	OPEN	OPEN	Closed	Pump stroke continues
Sequence repeats from Figure 6								
Figure 6	OPEN	Closed	Closed	Chambers 40, 41 is pressurised to the system operating pressure	Closed	OPEN	Closed	Pump stroke continues
Figure 7	OPEN	OPEN	Closed	Pump stroke commences	Closed	OPEN	Closed	Pump stroke finishing
Figure 8	OPEN	OPEN	Closed	Pump stroke continues	Closed	Closed	OPEN	Tube 27 starts filling and fluid in Chambers 40, 41 returns to tank
Figure 9	OPEN	OPEN	Closed	Pump stroke continues	Closed	Closed	Closed	Tube 27 is FULL, control system instrumentation must confirm FULL Tube status before proceeding to the next step